

REMARKS

Amendments to claims 29 and 35 are to recite what were already inherent in the claims.
No new matter has been added.

I. CLAIM REJECTIONS UNDER U.S.C. § 102

Claims 1-3, 6, 9, 11-13, 15, 16, 18, 21-23, 25-27, 29, 31, 32, 34, 35, 37, 38, and 40 stand rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Application Publication No. 20020191751 (Bogatu). Applicants respectfully note that in order to sustain a claim rejection under § 102, each of the claimed elements must be found, either expressly or inherently, in the cited reference.

Claim 1

Claim 1 recites a detector assembly having a plurality of first imaging elements having a first radiation detection characteristic, and a plurality of second imaging elements having a second radiation detection characteristic. Bogatu does not disclose or suggest the above limitations. According to the Office Action, paragraphs 32 and 45, and figures 8a-8c of Bogatu allegedly discloses the above limitations. However, the cited passages disclose a filter set 74 and a detector array 22', wherein the filter set 74 has different filters 32, 34. Notably, elements 32, 34 are parts of the filter set 74, and are not imaging elements that are parts of the detector array 22'. For at least the foregoing reason, claim 1 and its dependent claims are believed allowable over Bogatu.

Claim 9

Claim 9 recites a conversion panel configured to generate light photons in response to a radiation, the conversion panel having a plurality of first conversion elements and a plurality of second conversion elements, wherein each of the first conversion elements has a first radiation conversion characteristic, and each of the second conversion elements has a second radiation conversion characteristic. Bogatu does not disclose or suggest the above limitations. According to the Office Action, paragraphs 32 and 45, and figures 8a-8c of Bogatu allegedly discloses the above limitation. However, the cited passages disclose a filter set 74 and a detector array 22', wherein the filter set 74 has different filters 32, 34. Notably, elements 32, 34 are parts of the

filter set 74, and are not parts of a conversion panel that is configured to generate light photons in response to a radiation, as recited in claim 9. For at least the foregoing reason, claim 9 and its dependent claims are believed allowable over Bogatu.

Claim 18

Claim 18 recites a photoconductor layer configured to generate charges in response to radiation, the photoconductor layer having a plurality of first photoconductor elements and a plurality of second photoconductor elements, wherein each of the first photoconductor elements has a first charge generating characteristic, and each of the second photoconductor elements has a second charge generating characteristic. Bogatu does not disclose or suggest the above limitations. According to the Office Action, paragraphs 32 and 45, and figures 8a-8c of Bogatu allegedly discloses the above limitation. However, the cited passages disclose a filter set 74 and a detector array 22', wherein the filter set 74 has different filters 32, 34. Notably, elements 32, 34 are parts of the filter set 74, and are not parts of a photoconductor layer that is configured to generate charges in response to radiation, as recited in claim 18. For at least the foregoing reason, claim 18 and its dependent claims are believed allowable over Bogatu.

Claims 29 and 35

Claim 29 recites a photoconductor layer aligned with the first and the second filters, the first and second filters being component of a detector. Claim 35 recites a conversion layer aligned with the first and the second filters, the first and second filters being component of a detector. Bogatu does not disclose or suggest the above limitations. According to the Office Action, paragraph 32 and figures 8a-8c allegedly disclose the above limitation. However, paragraph 32 describes a detector array 22, but does not mention anything about a filter that is a component of a detector. Figures 8a-8c of Bogatu describe a different embodiment in which a filter set 74 is aligned with detector array 22'. However, the corresponding passages (i.e., paragraphs 43-46) that describe the embodiment of figures 8a-8c do not disclose or suggest a photoconductor layer nor a conversion layer. For at least the foregoing reason, claim 29 and its dependent claims are believed allowable over Bogatu.

CONCLUSION

Based on the foregoing, all claims are believed in condition for allowance. If the Examiner has any questions or comments regarding this amendment, please contact the undersigned at the number listed below.

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Respectfully submitted,
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